Subject: Re: botton size?

Posted by mallors on Mon, 10 Apr 2000 07:00:00 GMT

View Forum Message <> Reply to Message

In article <MPG.135ba4fb5934ff9989ac0@news.frii.com>, davidf@dfanning.com (David Fanning) writes:

[cut]

- > This works with \*most\* widgets. For example, I find that you
- > can't resize droplist widgets this way on UNIX platforms
- > (although the documentation gives no indication that it won't
- > work).

In the IDL 5.3 WIDGET\_DROPLIST documentation under the XSIZE keyword:

"The desired width of the droplist widget area, in units specified by the UNITS keyword (pixels are the default)... This keyword does not control the size of the droplist button or of the dropped list. Instead, it controls the size "around" the droplist button and, as such, is not particularly useful."

It's not what we wanted to hear, but it is there :-)

Robert S. Mallozzi

256-544-0887

Mail Code SD 50

http://cspar.uah.edu/~mallozzir/

http://gammaray.msfc.nasa.gov/ Marshall Space Flight Center Huntsville, AL 35812

Subject: Re: botton size?

Posted by mallors on Mon, 10 Apr 2000 07:00:00 GMT

View Forum Message <> Reply to Message

In article <38f1eaa1\$0\$26046@news.execpc.com>,

"pei zeng" <pei@prism-cs.com> writes:

> Hi.

>

- > I have a dumb question: when I place 3 button with value 'Apply', 'OK' and
- > 'Cancel', respectively, in one row, the buttons will have different size,
- > and I can not find a way to make them have the exact same size. Can anybody

```
> help me?
```

> thanks

Hi.

The GRID LAYOUT keyword to WIDGET BASE will do this in a portable way:

```
base = WIDGET BASE (/COLUMN)
grid = WIDGET BASE (base, COLUMN = 3, /GRID LAYOUT)
b1 = WIDGET BUTTON (grid, VALUE = 'Button 1')
b2 = WIDGET_BUTTON (grid, VALUE = 'Button 2, with more text')
b3 = WIDGET_BUTTON (grid, VALUE = 'B')
WIDGET_CONTROL, /REALIZE, base
```

All buttons will be as wide as the widest "natural width" button. The natural widths are derived from the button labels.

Robert S. Mallozzi

256-544-0887

Mail Code SD 50

http://gammaray.msfc.nasa.gov/ Marshall Space Flight Center http://cspar.uah.edu/~mallozzir/

Huntsville, AL 35812

Subject: Re: botton size?

Posted by davidf on Mon, 10 Apr 2000 07:00:00 GMT

View Forum Message <> Reply to Message

pei zeng (pei@prism-cs.com) writes:

- > I have a dumb question: when I place 3 button with value 'Apply', 'OK' and
- > 'Cancel', respectively, in one row, the buttons will have different size,
- > and I can not find a way to make them have the exact same size. Can anybody
- > help me?

When a button is created it has a "natural" size that depends upon the text on the button. Buttons size themselves to fit what is on them, normally. You can explicitly size buttons with the Scr\_XSize and Scr\_YSize keywords, but this is not always a good idea, since people prefer different fonts, different font sizes, etc., and your button interface can end up looking decidedly unprofessional.

Still...you sometimes want a neat, all-the-same-size look. I know I do. :-)

So what I usually do is this:

- 1. Create the buttons with their "natural" size.
- 2. Before I realize the widget hierarchy, I find out the size of the largest button. The code will look something like this:

```
big_size = 0
FOR j=0,2 DO BEGIN
g = Widget_Info(buttonsID[j], Geometry)
big_size = big_size > g.scr_xsize
ENDFOR
```

3. Make all the buttons the same big size. The code looks like this:

FOR j=0,2 DO Widget\_Control, buttonsID[j], Scr\_XSize=big\_size

This works with \*most\* widgets. For example, I find that you can't resize droplist widgets this way on UNIX platforms (although the documentation gives no indication that it won't work). On machines were it works all the time (I.e., Windows), it works like a charm. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting

Phone: 970-221-0438 E-Mail: davidf@dfanning.com

Coyote's Guide to IDL Programming: http://www.dfanning.com/

Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: botton size?

Posted by Alex Schuster on Mon, 10 Apr 2000 07:00:00 GMT

View Forum Message <> Reply to Message

pei zeng wrote:

- > I have a dumb question: when I place 3 button with value 'Apply', 'OK' and
- > 'Cancel', respectively, in one row, the buttons will have different size,

- > and I can not find a way to make them have the exact same size. Can anybody
- > help me?

You can use the XSIZE keyword in the call to WIDGET\_BUTTON. It gives the size in pixels. Maybe the GRID\_LAYOUT keyword to WIDGET\_BASE also helps.

Alex

Wonko@weird.cologne.de Alex Schuster alex@pet.mpin-koeln.mpg.de

PGP Key available